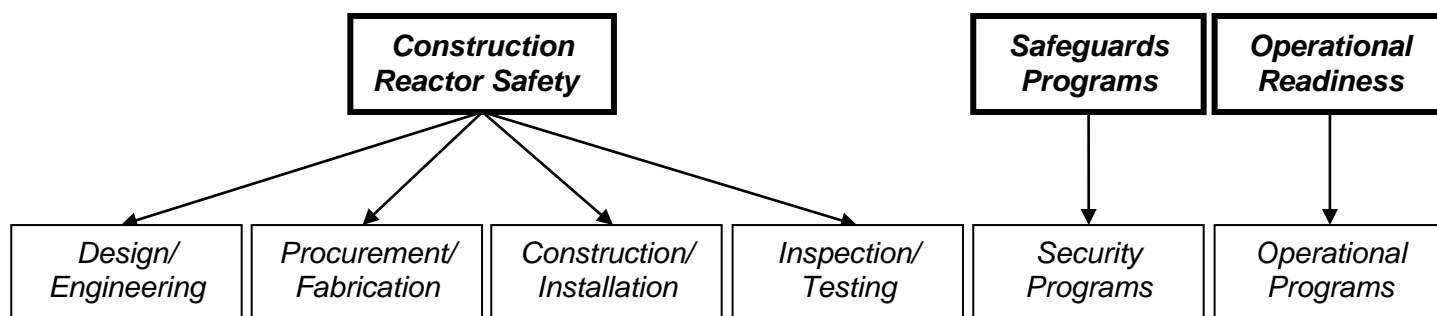


## Summer Unit 2 1Q/2015 Performance Summary

[Construction Action Matrix Column:](#)

[Licensee Response](#)



### Most Significant Inspection Findings

1Q/2015	<b>G</b>	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
4Q/2014	<b>G</b>	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2014	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2014	No findings this quarter	<b>G</b>	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter

### Additional Inspection and Assessment Information

- ❖ [List of Construction Inspection Reports](#)
- ❖ [List of Construction Assessment Reports/Inspection Plans](#)

## Design Engineering

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**Identified By:** NRC

**Identification Date:** 03/31/2015

**Significance:** Green

**Item Type:** ITAAC Finding

### **Failure to include a design input into a design analysis document for the Unit 2 Auxiliary Building Internal Structures**

The inspectors identified an ITAAC finding of very low safety significance (Green) and associated non-cited violation (NCV) of 10 Code of Federal Regulations (CFR) Part 50, Appendix B, Criterion III, "Design Control" for South Carolina Electric and Gas' (SCE&G) failure, through their contractor Westinghouse, to include a design input into a design analysis document. The licensee entered this issue into their corrective action program as CR-NND-15-00496.

The finding was associated with the Design/Engineering cornerstone. The inspectors determined the performance deficiency was more than minor because it represented a non-conservative error in a calculation that defines the technical requirements for the Unit 2 wall on column line 2 located in the radiologically controlled area of the Auxiliary Building. The inspectors evaluated the finding using the construction significance determination process and determined the finding was of very low safety significance (Green) because the licensee demonstrated, with reasonable assurance by design analysis, that the wall would have been able to meet its design function. The finding was determined to be an ITAAC finding because it was material to the acceptance criteria of Unit 2 ITAAC 763 (3.3.00.02a.i.d). The acceptance criteria of this ITAAC requires that a reconciliation report, concluding the "as-built" construction conforms to the approved design, is completed for the areas associated with the ITAAC. This finding is associated with deviations from design requirements that would not have been reconciled by the licensee as required by the ITAAC. This finding has a cross-cutting aspect in the area of Human Performance, Procedure Adherence, because the licensee failed to follow procedures associated with the control of design inputs for design analysis documents [H.8].

**Identified By:** NRC

**Identification Date:** 12/31/2014

**Significance:** Green

**Item Type:** ITAAC Finding

### **Failure to Correctly Translate CA20 Module to Basemat Connection Requirements into Design Documents**

The inspectors identified an ITAAC finding of very low safety significance (Green) and associated non-cited violation (NCV) of 10 Code of Federal Regulations (CFR) Part 50, Appendix B, Criterion III, "Design Control" for South Carolina Electric and Gas' (SCE&G) failure, through their contractor Westinghouse, to correctly translate design basis into specifications, drawings, procedures, and instructions. Specifically, the inspectors observed that the design did not conform to the requirements of ANSI/AISC N690-94, "American National Standard Specification for the Design, Fabrication, and Erection of Steel Safety-Related Structures for Nuclear Facilities," a Tier 2\* licensing commitment for Seismic Category I structures, in that loose "shim" or "filler" plates greater than ¼ inch thickness were installed between the connection brackets and embed plates in the NI basemat. For bolted construction, ANSI/AISC N690-94 Section Q1.15.6, "Fillers" requires that when fillers thicker than ¼ inch are used in bearing connections, the filler be rigidly attached to one of the connecting elements to preclude inducing bending in the bolts due to the eccentricity between connecting elements. The licensee entered this issue into their corrective action program as CR-NND-14-01411.

The finding was associated with the Design/Engineering cornerstone. The inspectors determined the performance deficiency was more than minor because it represented a substantive non-conservative

error in a design document that defines the technical requirements for the structural modules in the auxiliary building. The inspectors evaluated the finding using the construction significance determination process and determined the finding was of very low safety significance (Green) because the licensee was able to demonstrate with reasonable assurance that the design function of the applicable structure would not be impaired by the deficiency. The finding was determined to be an ITAAC finding because it was material to the acceptance criteria of Unit 2 ITAAC 763 (3.3.00.02a.i.d). The acceptance criteria of this ITAAC requires that a reconciliation report, concluding the “as-built” construction conforms to the approved design, is completed for the areas associated with the ITAAC. This finding is associated with deviations from design requirements that would not have been reconciled by the licensee as required by the ITAAC. The inspectors screened the finding for a possible construction cross-cutting aspect (CCA) and determined that it was not related to any of the CCA discussed in IMC 0613.

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## Procurement/Fabrication

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**Identified By:** NRC

**Identification Date:** 6/30/2014

**Significance:** Green

**Item Type:** ITAAC Finding

### ITAAC Finding for Failure to Assure Purchased Equipment Met Procurement and ITAAC Requirements

**Green.** The inspectors identified an ITAAC finding of very low safety significance (Green) and associated non-cited violation (NCV) of 10 CFR Part 50, Appendix B, Criterion VII, “Control of Purchased Material, Equipment and Services,” for South Carolina Electric and Gas’ (SCE&G) failure to assure purchased equipment met procurement and ITAAC requirements. The licensee entered this issue into their corrective action program as CR-NND-14-00362.

The finding was associated with the Procurement/Fabrication cornerstone. The inspectors determined the performance deficiency was more than minor following the guidance in IMC 0613, “Power Reactor Construction Inspection Reports,” Appendix E, Example 4. Specifically, the inspectors identified that the licensee failed to maintain quality-related records in accordance with quality assurance (QA) program requirements that precluded the licensee from demonstrating the ability of a safety significant structure, system, or component (SSC) to meet an ITAAC as required by the contract. The finding was determined to be an ITAAC finding because it was material to the acceptance criteria of Unit 2 ITAAC 190.

The inspectors screened the finding for a possible construction safety focus component (CSFC) aspect in accordance with Appendix F, “Construction Safety Focus Components and Aspects,” of IMC 0613, “Power Reactor Construction Inspection Reports.” This finding has a cross-cutting aspect in the area of baseline inspection, decision making because the licensee did not properly conduct effectiveness reviews (e.g. self-assessments or audits) to verify underlying assumptions, identify possible unintended consequences, and determine how to improve future decisions. Specifically, the licensee reviewed the calculation provided by Westinghouse as part of the ITAAC 190 closure package and failed to determine whether records existed to verify the underlying assumptions. [A.1(b)]

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## Construction/Installation

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## Inspection/Testing

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